

Amendments to the Claims:

The listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. **(Currently amended)** An insect gene expression system, comprising a first element and a second element on the same construct, wherein

the first element comprises least one control factor gene to be expressed, the expression of the at least one control factor gene being under the control of the at least one first promoter; and at least one first promoter therefore and,

wherein the second element comprises a gene of interest to be expressed and at least one second promoter therefore, the expression of the gene of interest being under the control of at least one second promoter;

wherein a an expression product of the control factor gene of the first element to be expressed serves as a positive transcriptional control factor for both:

(i) the at least one first promoter in said first element; and

(ii) the at least one second promoter in said second element,

and whereby the product, or the expression of the product, is controllable.

2. **(Currently amended)** The system according to claim 43, wherein an a first enhancer is associated with the first and/or second promoter, the control factor gene product serving to enhance activity of the first promoter via the first enhancer.

3. **(Currently amended)** The system according to claim 2, wherein the control factor is the tTA gene product or an analogue thereof, and wherein one or more tetO operator units is operably linked with the first and/or second promoter and is the first enhancer, tTA or its analogue serving to enhance activity of the first promoter via tetO.

4. **(Previously amended)** The system according to claim 3, in which the gene encodes the tTAV or tTAF product.

5. **(Previously amended)** The system according to claim 1, wherein the gene is modified to at least partially follow codon usage in a species in which the system is for use.

6. **(Previously amended)** The system according to claim 1, wherein the promoter is substantially inactive in the absence of the positive transcriptional control factor.

7. **(Previously amended)** The system according to claim 1, wherein the first and/or second promoter is a minimal promoter.

8. **(Previously amended)** The system according to claim 7, wherein the first and/or second promoter is selected from: hsp70, a P minimal promoter, a CMV minimal promoter, an Act5C-based minimal promoter, a BmA3 promoter fragment, an Adh core promoter, and anAct5C minimal promoter, or combinations thereof.

9. **(Previously amended)** The system according to claim 1, wherein the first and/or second promoter is derived from, or is a fragment of, CMV or Hsp70.

10. **(Previously amended)** The system according to claim 1 which substantially reduces fitness when activated or de-repressed.

11. **(Previously amended)** The system according to claim 10, comprising a lethal gene under the control of the first and/or second promoter of the system.

12. **(Previously amended)** The system according to claim 11, wherein the lethal gene is a dominant lethal.

13. **(Previously amended)** A system according to claim 11, wherein the lethal gene and the positive control are the same.

14. **(Previously amended)** The system according to claim 13, wherein the gene is tTA or an analogue thereof.

15. **(Previously amended)** The system according to claim 11, wherein the lethal gene and positive control gene are different.

16. **(Previously amended)** The system according to claim 10, wherein the reduced fitness is a high mortality rate.

17. **(Previously amended)** The system according to claim 1, wherein expression of the positive control gene is selective.

18. **(Previously amended)** The system according to claim 17, wherein expression of the gene is determined by sex.

19. **(Previously amended)** The system according to claim 18, comprising a *doublesex*, *transformer* or sex-specific lethal sequence.

20. **(Previously amended)** The system according to claim 1, wherein an effector gene is operably linked with at least one said promoter.

21. **(Previously amended)** The system according to claim 20, wherein the effector gene is a dominant lethal gene.

22. **(Cancelled)**

23. **(Previously amended)** The system according to claim 20, wherein activation of a promoter to which the effector gene is operably linked leads to a selective effect via a transcription or translation product of DNA under the control of the promoter.

24. **(Previously amended)** The system according to claim 17, wherein selection is species specific.
25. **(Previously amended)** The system according to claim 17, wherein selection is developmental stage specific.
26. **(Previously amended)** The system according to claim 1, which is at least one cistron.
27. **(Previously amended)** The system according to claim 26, which is at least two cistrons, said cistrons being linked to an enhancer under the control of the positive control gene.
28. **(Cancelled)**
29. **(Previously amended)** The system according to claim 1, bounded by insulator elements.
30. **(Previously amended)** The system according to claim 29, wherein the insulators are non-identical insulators.
31. **(Previously amended)** The system of claim 1, which is pLA513 as identified by SEQ ID NO. 16.
32. **(Previously amended)** The system of claim 1, which -is JY2004-tTA as identified by SEQ ID NO. 14.
33. **(Previously amended)** A vector comprising the system of claim 1.
34. **(Previously amended)** The vector according to claim 33, further comprising an expression marker.

35. **(Previously amended)** The vector according to claim 34, wherein the expression marker is a fluorescent protein or resistance marker.

36-42. **(Cancelled).**

43. **(Previously presented)** The system of claim 1, wherein the system is repressible.

44. **(Previously presented)** The system of claim 17, wherein the expression of the gene is stage specific or tissue specific.

45. **(Previously presented)** The system of claim 44, wherein the expression of the gene is embryo-specific.

46. **(Previously presented)** The system of claim 45, wherein the expression of the gene is lethal in an embryo.

47. **(New)** The system of claim 3, wherein a second enhancer is associated with the second promoter and is the same as the first enhancer associated with the first promoter, the control factor gene product also serving to enhance activity of the second promoter via the second enhancer.

48. **(New)** The system according to claim 47, wherein the control factor is the tTA gene product or an analogue thereof, and wherein one or more tetO operator units is operably linked with the second promoter and is the second enhancer, tTA or its analogue serving to enhance activity of the second promoter via tetO.